

42. The method according to claim 1, wherein the determining inputted data corresponds to magnifying a hidden text under a touch input.--

REMARKS

Initially, in the Office Action dated July 30, 2002, the Examiner has rejected claims 1, 2, 4-10, 12-20, 22-29, and 31-36 under 35 USC §102(b) as being anticipated by U.S. Patent No. 6,208,329 (Ballare). Claims 3, 11, 21 and 30 have been rejected under 35 USC §103(a) as being unpatentable over Ballare in view of U.S. Patent No. 5,959,615 (Yamade et al.).

By the present response, Applicants have canceled claims 2 and 3. Applicants have amended claim 1 to further clarify the invention. Moreover, Applicants have submitted new claims 39-42 for consideration by the Examiner. Claims 1 and 4-42 remain pending in the present application.

35 USC §102 Rejections

Claims 1, 2, 4-10, 12-20, 22-29, and 31-36 have been rejected under 35 USC §102(b) as being anticipated by Ballare. Applicants respectfully traverse these rejections.

Ballare discloses a system for emulating a mouse button event via an absolute coordinate input device. The system includes a computer having an operating system capable of receiving mouse type relative coordinate input commands from an absolute coordinate input device adapted to generate coordinate data in response to a finger touch down event. A controller is operatively connected to the coordinate input device and adapted to resolve left

and right mouse button touch down events and respective coordinate data for such events.

Regarding claims 1, 9, 19 and 28, Applicants submit that Ballare does not disclose or suggest the limitations in the combination of each of these claims of, inter alia, detecting when an object is no longer touching a touch screen and measuring a time duration from the time of detection of the object first touching the touch screen until the time of detection of the object no longer touching the touch screen; or determining inputted data based on the detected location of the object on the touch screen and the measured time duration. According to the present invention, all inputted data/commands are determined by using only one finger or other touching means. In contrast, Ballare discloses using one or two fingers. Further, according to the present invention, a finger touch duration, a touching pressure, and a pressure difference are measured. In contrast, Ballare discloses only a finger touch duration, and a touching pressure being measured. Moreover, according to the present invention, the measured and determined touch time may vary, and based on the time, inputted data/commands are different. In contrast, Ballare discloses that the measured and determined finger touch time is very short, i.e., a finger tap, where the data/commands are based on the number of the finger taps.

The Examiner asserts that the limitations in the claims of the present application are disclosed in Ballare at col. 5, line 10-26. However, this portion of Ballare discloses that if a second finger is placed on the sensing plane, two touch counts are detected and a right mouse button down event is sent to the host

computer whereas if the second finger is not subsequently placed on the sensing plane after the first finger, a left mouse button down event is sent to the host computer. Upon lifting of the second finger or first finger, a right mouse button up event or a left mouse button up event is sent to the host computer, respectively. This is not detecting when an object is no longer touching a touch screen and measuring a time duration from the time of detection of the object first touching the touch screen until the time of detection of the object no longer touching the touch screen; or determining inputted data based on the detected location of the object on the touch screen and the measured time duration, as recited in the claims of the present application.

Regarding claims 2, 4-8, 10, 12-18, 20, 22-27, 29 and 31-36, Applicants submit that these claims are dependent on one of independent claims 1, 9, 19 and 28 and, therefore, are patentable at least for the same reasons noted previously regarding these independent claims.

Accordingly, Applicants submit that Ballare does not disclose or suggest the limitations in the combination of each of claims 1, 2, 4-10, 12-20, 22-29, and 31-36 of the present application. Applicants respectfully request that these rejections be withdrawn and that these claims be allowed.

35 USC §103 Rejections

Claims 3, 11, 21 and 30 have been rejected under 35 USC §103(a) as being unpatentable over Ballare in view of U.S. Patent No. 5,959,615 (Yamade et al.). Applicants respectfully traverse these rejections.

Yamade et al. discloses an information processing device that can easily set a color for each scheduled item by pressure of a pen in order to distinguish important events at a glance on a color display of the device, wherein a bar graph on a schedule display screen can change its color to any desired one of three colors according to a controlled force of a pen, i.e., schedule (bar) becomes red, green, and black when pressed strongly, medium, and weakly respectively.

Applicants submit that claims 3, 11, 21 and 30 are dependent on one of independent claims 1, 9, 19 and 28 and, therefore, are patentable at least for the same reasons noted previously regarding these independent claims. Applicants submit that Yamade et al. does not overcome the significant defects noted previously regarding Ballare.

Accordingly, Applicants submit that neither Ballare nor Yamade et al., taken alone or in any proper combination, disclose, suggest or render obvious the limitations in the combination of each of claims 3, 11, 21 and 30 of the present application. Applicants respectfully request that these rejections be withdrawn and that these claims be allowed.

New Claims

Applicants have submit new claims 39-42 for consideration by the Examiner and submit that these claims are dependent on independent claim 1 and, therefore, are patentable at least for the same reasons noted previously regarding this independent claim.

In view of the foregoing amendments and remarks, Applicant respectfully submits that claims 1, and 4-42 are now in condition for allowance. Accordingly, early allowance of such claims is respectfully requested.

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned **"Version with markings to show changes made."**

To the extent necessary, Applicant petitions for an extension of time under 37 CFR §1.136. Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees and excess claim fees, to Deposit Account No. 01-2135 (referencing case No. 0171.38955X00) and please credit any excess fees to such deposit account.

Respectfully submitted,



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Version with markings to show changes made

IN THE CLAIMS

Please cancel claims 2 and 3 without prejudice or disclaimer.

Please amend the claims as follows.

1. (Amended) A method of inputting data using a touch screen, the method comprising:

detecting an object touching the touch screen;

detecting the location of the object on the touch screen;

detecting x and y coordinates of a point of contact of the object on the touch screen;

detecting when the object is no longer touching the touch screen and measuring a time duration from the time of detection of the object first touching the touch screen until the time of detection of the object no longer touching the touch screen; and

determining inputted data based on the detected location of the object on the touch screen and the measured time duration.